

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|------------------------|------------------|---------|------------------|
| L1    | 0     | (quadrature and phase and shift and average and calculators and corrector and differential and detector).clm.  | US-PGPUB; USPAT        | OR               | ON      | 2007/07/26 07:28 |
| L2    | 1     | (average and calculators and corrector and differential and detector).clm.   | US-PGPUB; USPAT        | OR               | ON      | 2007/07/26 07:29 |
| L3    | 20    | (differential adj detector\$1) and 375/330.ccls.   | US-PGPUB; USPAT        | OR               | ON      | 2007/07/26 07:31 |
| L4    | 27702 | (multiplier or mixer) same adder   | US-PGPUB; USPAT        | OR               | ON      | 2007/07/26 07:31 |
| L5    | 39    | L4 and 375/330.ccls.   | US-PGPUB; USPAT        | OR               | ON      | 2007/07/26 07:31 |
| L6    | 55    | (differential adj detector\$1) and (subtract\$3 same (average or mean))  | US-PGPUB; USPAT        | OR               | ON      | 2007/07/26 07:31 |
| S1    | 1     | "20040136475".pn.  | US-PGPUB; USPAT        | OR               | ON      | 2007/03/01 07:32 |
| S2    | 50    | (pi\$2"4" adj shifted) same qpsk   | US-PGPUB; USPAT        | OR               | ON      | 2007/03/01 08:08 |
| S3    | 20    | (differential adj detector\$1) and 375/330.ccls.   | US-PGPUB; USPAT        | OR               | ON      | 2007/03/01 10:00 |
| S4    | 18    | ("5113400"   "5230077"   "5283531"   "5602484"   "5805638"   "5809071"   "5818876"   "5907586"   "5918204"   "5949796"   "6005894").PN. OR ("6084926").URPN. | US-PGPUB; USPAT; USOCR | OR               | ON      | 2007/03/01 09:17 |
| S5    | 7     | (US-5630210-\$ or US-5594797-\$ or US-5537434-\$ or US-5430731-\$ or US-6959051-\$ or US-6084926-\$ or US-5786725-\$).did.                                   | USPAT                  | OR               | ON      | 2007/03/01 09:30 |
| S6    | 0     | S5 and (PSK same orthogonal)   | USPAT                  | OR               | ON      | 2007/03/01 09:31 |
| S7    | 1     | S5 and orthogonal  | USPAT                  | OR               | ON      | 2007/03/01 09:40 |
| S8    | 2063  | correct\$3 same average same subtract\$3   | USPAT                  | OR               | ON      | 2007/03/01 09:40 |
| S9    | 6     | S8 and 375/330.ccls.   | USPAT                  | OR               | ON      | 2007/03/01 09:41 |
| S10   | 173   | (differential adj detector\$1) and subtract\$3 and (average or mean)   | US-PGPUB; USPAT        | OR               | ON      | 2007/03/01 10:01 |
| S11   | 52    | (differential adj detector\$1) and (subtract\$3 same (average or mean))  | US-PGPUB; USPAT        | OR               | ON      | 2007/03/01 14:09 |
| S12   | 32    | (multiplier or mixer) near "1/N"   | US-PGPUB; USPAT        | OR               | ON      | 2007/03/01 14:52 |

## EAST Search History

|     |       |   |                    |    |    |                  |
|-----|-------|---|--------------------|----|----|------------------|
| S13 | 0     | (multiplier or mixer) same "1-.alpha."  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/01 14:53 |
| S14 | 5432  | (multiplier or mixer) same alpha  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/02 07:35 |
| S15 | 3     | S14 and 375/330.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/01 14:53 |
| S16 | 26796 | (multiplier or mixer) same adder  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/02 07:35 |
| S17 | 39    | S16 and 375/330.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/02 10:15 |
| S18 | 1     | "5488629".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/02 07:39 |
| S19 | 25    | S17 and (store or register)   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/02 10:15 |
| S20 | 14    | (US-20020034266-\$ or<br>US-20020034215-\$).did. or<br>(US-5630210-\$ or US-5594797-\$ or<br>US-5537434-\$ or US-5430731-\$ or<br>US-6959051-\$ or US-6084926-\$ or<br>US-5786725-\$ or US-6836518-\$ or<br>US-6744827-\$ or US-6381288-\$ or<br>US-5588027-\$ or US-4796279-\$).<br>did. | US-PGPUB;<br>USPAT | OR | ON | 2007/03/02 10:29 |
| S21 | 10    | S20 and (register or store\$1)  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/02 10:29 |